Multilevel inheritance

Person.java

**package** com.java.pgms;

**public** **class** Person {

String name,gender,address;

**protected** **int** age;

**public** Person()

{}

**public** Person(String n,String g,String addr,**int** a)

{

**this**.name=n;

**this**.gender=g;

**this**.address=addr;

**this**.age=a;

}

**public** **void** display\_Person()

{

System.*out*.println("Name:"+name);

System.*out*.println("Gender:"+gender);

System.*out*.println("Address"+address);

System.*out*.println("Age:"+age);

}

}

**Employee.java**

**package** com.java.pgms;

**public** **class** Employee **extends** Person

{

**int** empid,salary;

String companyname,qualif;

**public** Employee(){}

**public** Employee (String n,String g,String addr,**int** a,**int** eid,String ename,String qual,**int** sal)

{

**super**(n,g,addr,a);

empid=eid;

companyname=ename;

qualif=qual;

salary=sal;

}

**public** **void** display\_Employee(){

**super**.display\_Person();

System.*out*.println("empid:"+empid);

System.*out*.println("company name:"+companyname);

System.*out*.println("qualification:"+qualif);

System.*out*.println("salary:"+salary);

}

}

Teachere.java

**package** com.java.pgms;

**public** **class** Teachere **extends** Employee{

String subject,department;

**int** teacherid;

**public** Teachere(String n,String g ,String addr,**int** a,**int** eid,String ename,String qual,**int** sal,String sub,String dept,**int** tid)

{

**super**(n,g,addr,a,eid,ename,qual,sal);

subject=sub;

department=dept;

teacherid=tid;

}

**public** **void** displayT()

{

**super**.display\_Employee();

System.*out*.println("Teacherid:"+teacherid);

System.*out*.println("Subject:"+subject);

System.*out*.println("Subject:"+subject);

System.*out*.println("Department:"+department);

}

}

Main.java

**package** com.java.pgms;

**import** java.util.Scanner;

**public** **class** Main10 {

**public** **static** **void** main(String[] args)

{

System.*out*.println("enter number of teachers");

Scanner s=**new** Scanner(System.*in*);

Scanner sc=**new** Scanner(System.*in*);

**int** n=s.nextInt();

Teachere[] teacher=**new** Teachere[n];

**for**(**int** i=0;i<n;i++)

{

System.*out*.println("enter name of teachers:");

String name=sc.nextLine();

System.*out*.println("enter gender of teachers:");

String gen=sc.nextLine();

System.*out*.println("enter address of teachers:");

String addr=sc.nextLine();

System.*out*.println("enter age of teacher:");

**int** age=s.nextInt();

System.*out*.println("enter empid of teachers:");

**int** eid=s.nextInt();

System.*out*.println("enter company name:");

String companyname=sc.nextLine();

System.*out*.println("enter qualification of teacher:");

String quali=sc.nextLine();

System.*out*.println("enter salaryof teachers:");

**int** sal =s.nextInt();

System.*out*.println("enter teacher id:");

**int** tid=s.nextInt();

System.*out*.println("enter subject of teachers:");

String sub=sc.nextLine();

System.*out*.println("enter departmnent of teachers:");

String dept=sc.nextLine();

Teachere t=**new** Teachere(name,gen,addr,age,eid,companyname,quali,sal,sub,dept,tid);

teacher[i]=t;

}

**for**(Teachere t : teacher){

t.displayT();

}

}

}